	Application No.	Applicant(s)
Notice of Allowability	09/930,366	YOON ET AL.
	Examiner	Art Unit	
	Nghi V. Tran	2151	

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *03/17/2005*.

2. ☒ The allowed claim(s) is/are *1-4, 9-12, and 17-23*.

3. ☒ The drawings filed on *15 August 2001* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

ZARNI MAUNG
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview

with Gregory Schivley (Reg# 27,382) on June 10, 2005.

3.   The application has been amended as follows:

<u>In the claims</u>

1.   (currently amended) A method for resolution services of special domain

names, comprising steps of:

(1) receiving and storing information related to domain names and

keywords whenever at least one contents providers connects to a special domain name

resolution server and requests a registration;

(2) linking the at least one contents provider which is registered with the

special domain name resolution server to a special domain name service program and

a special domain name database containing related domain name information

corresponding to the at least one contents provider, wherein the special domain name

service program and the special domain name database relate to the special domain

name resolution server;

(3) automatically installing the special domain name service program by

downloading the special domain name service program and the special domain name

database to a terminal of a connection service user upon the user connecting to

contents of the at least one contents provider; and

(4) transferring to the user's terminal an IP address corresponding to a

queried domain name that the user's terminal queried to the special domain name

server by identifying a domain name and the user's IP address if whenever the service

user is connected to the special domain name server based on the special domain

name database with an execution of the special name service program installed in step

(3).

(5) plugging in a web browser and other internet desktop application

program in a subscriber PC in order to connect to a specific contents provider on the

internet and executing a special domain name service program for directly connecting to

the special domain name server by a DLL process injection method, wherein the special

domain name service program and the special domain name database containing

domain name information related to the at least one contents provider are previously

downloaded to the subscriber PC upon connection to the specific contents provider;

(6) calling a domain name from the web browser or the other internet

desktop application program for a connection to the specific contents provider;

(7) carrying out a socket API interrupt as to information related to the

domain name to be sent to a pre-set local DNS server;

(8) identifying whether the domain name information exists in a special

domain name database;

(9) carrying out a query about the special domain name to a

corresponding special domain name server associated to contents providers existing in

the special domain name database whenever the domain name information is present

as a result of the identification of step(8);

(10) connecting to a contents server relating to the domain name resolved

in step (9); and

(11) connecting to the pre-set local DNS server whenever the domain

name information is absent as a result of the identification of step (8).

2.   (original) The method as claimed in claim 1, wherein the special domain

name server provides at least one of Global Load Balance(GLB) service, Server Load

Balance(SLB) service, language-by-country keyword resolution service, and domain

name resolution service.

3.   (previously presented) The method as claimed in claim 1, wherein the

step(2) of linking the special domain name service program and the domain name

database with the at least one contents providers is to link by using object tags and

corresponding object parameters in the HTML of homepages of the contents providers.

4.   (previously presented) The method as claimed in claim 2, wherein the

step(2) of linking the special domain name service program and the special domain

name database with the at least one contents providers is to link by using object tags

and corresponding object parameters in the HTML of homepage of the contents

providers.

5.   (canceled)

6.   (canceled)

7.   (canceled)

8.   (cancelled)

9.   (original) The method as claimed in claim 1, wherein the special domain

service program in step (3) is automatically installed in an operating system of a user's

PC by using the windows system message hooking technology.

10.   (original) The method as claimed in claim 2, wherein the special domain

service program in step (3) is automatically installed in an operating system of a user's

PC by using the windows system message hooking technology.

11.   (original) The method as claimed in claim 3, wherein the special domain

service program in step (3) is automatically installed in an operating system of a user's

PC by using the windows system message hooking technology.

12.   (original) The method as claimed in claim 4, wherein the special domain

service program in step (3) is automatically installed in an operating system of a user's

PC by using the windows system message hooking technology.

13.   (canceled)

14.   (canceled)

15.   (canceled)

16.   (canceled)

17.   (previously presented) The method as claimed in claim 1, wherein the

step(3) for downloading the special domain name service program and the special

domain name database information to the user's terminal by the at least one contents

provider includes steps of:

(3-1) checking by the at least one contents provider whether the special domain name service program is installed when the user is connected;

(3-2) requesting an installation of components in an appropriate version for the system of a user whenever the components are not installed in step(3-1); and

(3-3) requesting a re-installation of components in case that an existing version is not appropriate by checking whether the existing version of the installed components are appropriate.

18.   (previously presented) The method as claimed in claim 2, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the at least one contents provider includes steps of:

(3-1) checking by the at least one contents provider whether the special domain name service program is installed when the user is connected;

(3-2) requesting an installation of components in an appropriate version for a system or the user whenever the components are not installed in step(3-1); and

(3-3) requesting a re-installation of the components in case that an existing version is not appropriate by checking whether an existing version of the installed components are appropriate.

19.   (previously presented) The method as claimed in claim 3, wherein the step(3) for downloading the special domain name service program and the special

domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the at least one contents provider whether the special domain name service program is installed when the user is connected;

(3-2) requesting an installation of components in an appropriate version for the system whenever the components are not installed in step(3-1); and

(3-3) requesting a re-installation of the components in case that an existing version is not appropriate by checking whether the existing version of an installed components are appropriate.

20.   (currently amended) The method as claimed in claim 4 [[5]], wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the at least one contents provider whether the special domain name service program is installed when the user is connected;

(3-2) requesting an installation of components in an appropriate version for the system if the components are not installed in step (3-1); and

(3-3) requesting a re-installation of the components in case that an existing version is not appropriate by checking whether the existing version of the installed components are appropriate.

21.   (previously presented) The method as claimed in claim 9, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the at least one contents provider whether the special domain name service program is installed when the user is connected;

(3-2) requesting an installation of components in an appropriate version for the system if the components are not installed in step (3-1); and

(3-3) requesting a re-installation of the components in case that the existing version is not appropriate by checking whether the existing version of the installed components are appropriate.

22.   (currently amended) A method for resolution services of special domain names, comprising steps of:

(1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific contents provider on the internet and [[or]] executing a special domain name service program for directly connecting to a special domain name server by a DLL process injection method, wherein the special domain name service program and a special domain name database containing domain name information related to at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2) calling a domain name from the web browser or the other internet desktop application program for a connection to the specific contents provider;

(3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(4) identifying whether the domain name information exists in the [[a]] special domain name database;

(5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database whenever the domain name information is present as a result of the identification of step (4);

(6) connecting to a contents server relating to the domain name resolved in step (5); and

(7) connecting to the pre-set local DNS server whenever the domain name information is absent as a result of the identification of step (4).

23.   (currently amended) A method for utilizing a computer-readable storage medium, comprising steps of:

(1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific contents provider on the internet and [[or]] executing a special domain name service program for directly connecting to a special domain name server by a DLL process injection method, wherein the special domain name service program and a special domain name

database containing domain name information related to at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2) calling a domain name from the web browser or the other internet desktop application program for a connection to the specific contents provider;

(3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(4) identifying whether the domain name information exists in a special domain name database;

(5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database whenever the domain name information is present as a result of the identification of step (4);

(6) connecting to a contents server relating to the domain name resolved in step (5); and

(7) connecting to the pre-set local DNS server whenever the domain name information is absent as a result of the identification of step (4).

Allowable Subject Matter

4.   Claims 1-4, 9-12, and 17-23 are allowed.

5.   The following is an examiner's statement of reasons for allowance:

The cited prior arts fail to disclose or suggest the claimed present invention's plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific contents provider on the internet and executing a special domain name service program for directly connecting to the special domain name server by a DLL process injection method, wherein the special domain name service program and the special domain name database containing domain name information related to the at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider in conjunction with all other limitations in the claim.

6.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nghi V. Tran whose telephone number is (571) 272-4067. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571) 272-3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

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